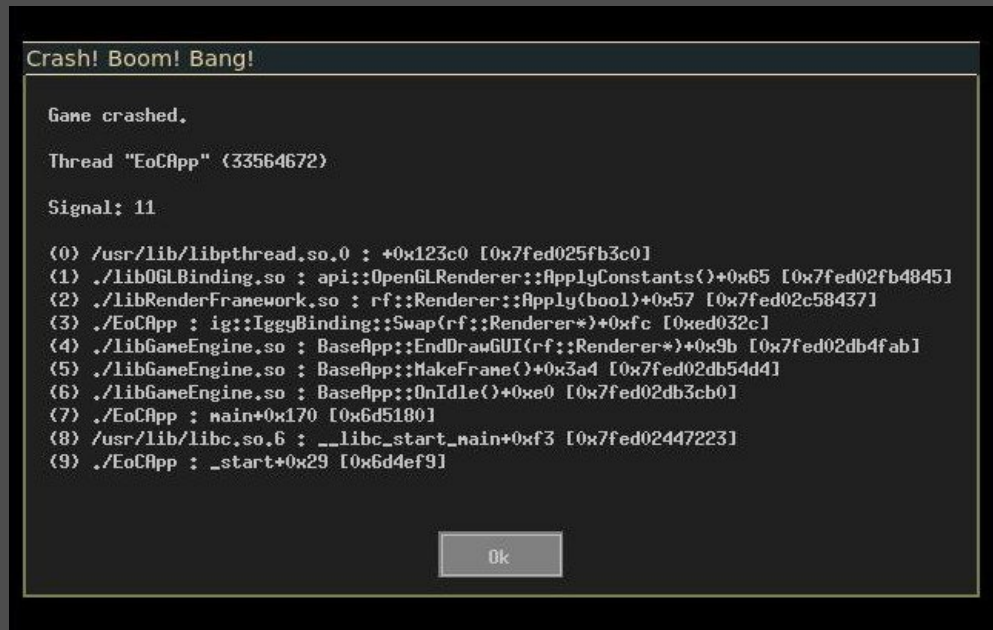


## Articles

### Divinity Manjaro Game Crash Fix

#### Introduction



This week I got the computer game Divinity: Original Sin Enhanced Edition as a gift from a friend on Steam. Unfortunately the game crashed on my Manjaro OS when I started it and I had to find a solution from [Reddit](#) and [GOG forum](#) on the internet. Here I describe the summary for the fix.

#### Realisation

We open a terminal and go with `~/.local/share/Steam/steamapps/common/Divinity Original Sin Enhanced Edition` into the installation folder of the computer game. In this folder we create the file `divos_hack.c` and copy the following [source code](#) into it.

```
/*
 * LD_PRELOAD shim which applies two patches necessary to get the game
 * Divinity: Original Sin Enhanced Edition for Linux to work with Mesa (12+)
 *
 * Build with: gcc -s -O2 -shared -fPIC -o divos-hack.{so,c} -ldl
 */

/* for RTLD_NEXT */
#ifdef _GNU_SOURCE
#define _GNU_SOURCE
#endif
#include
#include
#include

#define _GLX_PUBLIC

/*
 * https://github.com/karolherbst/mesa/commit/aad2543bf6cfbd7df795d836e5ff4ec8686e4fdf
 * - allow env override of vendor string. I actually just hard-coded
 *   ATI Technologies, Inc., since that appears to be what's needed
 */
const GLubyte *GLAPIENTRY glGetString( GLenum name )
{
    static void *next = NULL;
    static const char *vendor = "ATI Technologies, Inc.";
    if(name == GL_VENDOR)
        return (const GLubyte *)vendor;
    if(!next)
        next = dlsym(RTLD_NEXT, "glGetString");
    return ((const GLubyte *GLAPIENTRY (*)(GLenum))next)(name);
}

/*
 * https://gist.github.com/karolherbst/b279233f8b13c9db1f3e1e57c6ecfbd2
 */
_GLX_PUBLIC void (*glXGetProcAddressARB(const GLubyte * procName)) (void)
{
    static void *next = NULL;
    if (strcmp((const char *) procName, "glNamedStringARB") == 0 ||
        strcmp((const char *) procName, "glDeleteNamedStringARB") == 0 ||
```

```

        strcmp((const char *) procName, "glCompileShaderIncludeARB") == 0 ||
        strcmp((const char *) procName, "glIsNamedStringARB") == 0 ||
        strcmp((const char *) procName, "glGetNamedStringARB") == 0 ||
        strcmp((const char *) procName, "glGetNamedStringivARB") == 0)
    return NULL;
    if(!next)
    next = dlsym(RTLD_NEXT, "glXGetProcAddressARB");
    return ((_GLX_PUBLIC void (*)(const GLubyte *))(void))next(procName);
}

```

We save the file and compile it with `gcc -s -O2 -shared -fPIC -o divos-hack.{so,c} -ldl`. The result is the `divos-hack.so` file. Now we open the `runner.sh` file and enter the following source code.

```

#!/bin/sh

HOME=${HOME}/.local/share

LD_PRELOAD="divos-hack.so"
LD_LIBRARY_PATH="." ./EoCApp

```

After that we start the game normally over the Steam launcher.